

## COLLECTING BIOBRICK DNA

### Aim

To collect and amplify a BioBrick.

### Procedure

1. With a pipette tip, punch a hole through the foil cover into the corresponding well of the part that you want in the DNA distribution kit. Make sure you have properly oriented the plate. Do not remove the foil cover, as it could lead to cross-contamination between the wells.
2. Pipette 10  $\mu$ l of dH<sub>2</sub>O into the well. Pipette up and down a few times and let sit for 5 min to make sure the dried DNA is fully resuspended. The resuspension will be red, as the dried DNA has cresol red dye.
3. Transform 1  $\mu$ l of the resuspended DNA into your desired competent cells, plate your transformation with the appropriate antibiotic and grow overnight (see Transformation protocol).
4. Pick a single colony and inoculate in broth (again, with the correct antibiotic) and grow for 16 hours (maximum).
5. Use the resulting culture to miniprep the DNA and make your own glycerol stock. We recommend using the minipreped DNA to run QC tests, such as restriction digests and sequencing.

### Note!

There is an estimated 2-3 ng of DNA in each well, following this protocol, assume that you are transforming with 200-300 pg/ $\mu$ l. Before transformation take care to not expose the sample to potential nucleases present in the environment and on your skin.

### Sources

Modified from [parts.igem.org](http://parts.igem.org).